BRUHAT BANGALORE MAHANAGARA PALIKE
DASARAHALLI Zone, Electrical Division

Name of Work:-Replacement of Burntout UG Cable,Panels boards and its accessories coming under Dasarahalli Zone Ward 12,13,14,15

Ward: 12,13,14,15 Estimation For Rs. 400000.00

Sl No	SR Page & SL No	Description Of Work	Unit	Qty	Rate	Amount
1	66/12.8/1 2.8.1	Supply of LED Streetlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate material, delivering superior light output Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, maximum light intensity should be between 60 degrees to 70 degrees CCT > 5500K, IP 66 optical and electrical compartment & Impact resistance of complete luminaire > IK08 Power Factor >0 9 with mains, Surge Protection- Min 5KV along with Over voltage/Overload, short circuit/ miss-wiring protection Compatible for pole mouting with outer dia of 40mm to 50mm Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS UL approved MCPCB Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools LED Light fixture with ..... W System Power consumption LED Efficiency>130lm/w, nominal CRI >75 Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001 2008. Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part Warranty of 2 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer&Cree/Nichia/Lumileds/Osram make LED Source LED Street Light	Nos	25 Watts, 60	1840 00	110400 00
2	40/6.4.6.4.4	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975. 4 core 16 sqmm	Mtrs	500	150 00	75000 00
3	41/6.6/6.6.1	Digging of trench of 0.6 m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc.,complete. (As perCivil SR KSRB I-2, P-7).a) In soil (ordinary)	Mtrs	500	76.00	38000.00
	41/6.5.1	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required In existing trench/duct 6 sqmm to 16 sqmm	Mtrs	500	11.88	5940.00
4	5/2.3/2.3.2	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694 confirming to latest amendments Materials b)1.5 sqmm	Mtrs	129	20.50	2644.50
5	5/2.3.3	6sqmm	Mtrs	30	70.00	2100 00
6	26/5.13/5.13.3	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc , complete with AC-3 Rating and as per IS-13947 d) 60-70Amps	Nos	9	4200.00	37800 00
7	27/5.17/5.17.4	Supplying and fixing miniature circuit breakers on existing MCB distribution boards usingnecessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898 0-32 Amps DP	Nos	9	909 00	8181.00
8	17/3.10 5.41	Supplying and fixing angle iron frame work fabricated out of M.S angle iron And M.S flat with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint a)40X40X6mm	Mtrs.	24	255-00 203 00	6312 00

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9	49/8 40 2	Fabricating supplying and mounting MS box made out... SWG suitable for floor/wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, oquipped with tamper proof locking arrangements, with suitable size cdlamps with mecessary cable entry pipe with gland and box should be finished with 2 cdoats of red oxide primer paint and finally finished with approved colour enameled metal pain etc., complete. b)16 swg	Sqcm	105000	0-35 0.33	34650 00
10	24/5 7/5 7 3	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers. 63Amps	Nos	17	227.00	3859 00
11	32/5 48	Supplying and fixing Microprocessor Based Astronomical timer Switch with using necessary bolts, nuts and washers.	Nos	8	4030.00	32240 00
		Total Rs				**357126.50**
		Add GST 12%				**42855.18**
		Mislenious				**18.32**
		Total Rs				**400000.00**

CERTIFICATE :-

1. The place was inspected and the work is essential.
2. The provision made in the estimate are adequate and necessary and the work comes in the BBMP limit and is legitimate Charges on the BBMP funds.
3. The rates in the Estimate is based on PWD Elec Sr 2019-20 and approved rates

AE /JE Engineer (Elec)

Asst. Exe.Engineer (Elec)
Sub-Division No
Bruhat Bangalore Mahanagara Palike

EXECUTIVE ENGINEER (ELEC)
DASARAHALLI DIVISION
BRUHAT BANGALORE MAHANAGARA PALIKE

ನಂ.04 ಕಾ.ಆ.(ವಿ):ದಾ.ವ: 04 2021 - 2022
ದಿನಾಂಕ 10/08/2021 ರೂ 4 ಲಕ್ಷ ಅಕ್ಷರಗಳಲ್ಲಿ
ನಾಲ್ಕು ಲಕ್ಷ ರೆಂ ಗಳ
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದ್ದು,
ಪಟ್ಟಿ ಸಂಖ್ಯೆ 35 ಕ್ರಮಸಂಖ್ಯೆ 04
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು (ವಿ)
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು

ಸಾಪ್ಯೆ. ಬೃ.ಬೆಂ.ಮ.ಪಾ : ದಾ.ವ : ತಾಂತ್ರಿಕ : 01/ 2021 - 2022
ದಿನಾಂಕ:...10/08/2021. ಅಂದಾಜು ಪಟ್ಟಿಯನ್ನು ರೂ...4..ಲಕ್ಷ.....
ಅಕ್ಷರಗಳಲ್ಲಿ ...ನಾಲ್ಕು..ಲಕ್ಷ.ರೆಂ..ಗಳಿಗೆ...ಮಾತ್ರ.....
ಗಳಿಗೆ ಮಾತ್ರ 2021 - 2022ನೇ ಸಾಲಿನ ದರಗಳ ಪಟ್ಟಿಯಂತೆ ಸಂ ಪ್ರಕ
ಮಂಜೂರಾತಿ ನೀಡಿದೆ.

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು-57.

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